

REPORT OF ANALYSIS

VESSEL : M/T «**FLAGSHIP IRIS**» **DATE** : FEBRUARY 12TH, 2015
PORT / TERMINAL : BAHIA LAS MINAS / T. C. P. **YOUR REF** : HP20150112 / 14910
SAMPLE OF * : LIGHT DIESEL OIL **ICB REF** : S-PA100-0009830
DRAWN BY : INTERTEK COMMODITIES DIVISION **WITNESSED BY** : N/A
ANALYZED BY : INTERTEK COMMODITIES DIVISION **LAB REF. No.** : 0122-15

CLIENT : REFINERÍA PANAMÁ, S. A.
ADDRESS : Bahía Las Minas, Cativá, Colón, República de Panamá
SAMPLE DATE : FEBRUARY 11TH, 2015
RECEPTION DATE : FEBRUARY 11TH, 2015
ANALYSIS DATE : FEBRUARY 11TH, 2015

Identified as: SHORE TANK D-2129 / After Discharge / Composite Sample

	TEST	UNITS	METHOD	SPECIFICATION	RESULTS
1.	Color	ASTM scale	ASTM D1500	2.5 max.	L 0.5
2.	Appearance	N/A	ASTM D4176	Bright & Clear	Bright & Clear
3.	Sediment and Water	volume %	ASTM D2709	0.05 max.	0.00
4.	API Gravity at 60°F	degrees	ASTM D287	32.0 min.	35.7
5.	Flash Point	°C	ASTM D93A	60 min.	64.0
6.	Sulfur Content	mass %	ASTM D4294	0.05 max.	0.00665
7.	Ash Content	mass %	ASTM D482	0.01 max.	L 0.001
8.	Carbon Conradson Residue on 10% Bottom	mass %	ASTM D189	0.30 max.	L 0.1
9.	Copper Strip Corrosion at 50°C for 3 hrs	corrosiveness	ASTM D130	2 max.	1A
10.	Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	1.9 min. - 4.1 max.	2.752
11.	Cetane Index	calculated	ASTM D976	45 min.	48.4
12.	Lubricity HFRR at 60°C	µm(micron.)	ASTM D6079	520 max.	376.0
13.	Distillation	°C	ASTM D86	-----	-----
	• 10% recovered			Report	207.3
	• 50% recovered			288 max.	266.4
	• 90% recovered			282 min. - 338 max.	328.4
	• Final Boiling Point			Report	356.4
	• Residue			2 max.	1.0
	• Loss			2 max.	0.9

* As per customer description

ICBFCA-019
Rev.1/09-04

Remarks:

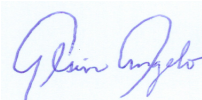
Page 1 of 1

Lote: 0215LDO006

Volumen Total: 222,418.35 BBLs.

Volumen Disponible: 202,768.35 BBLs.

This Report of Analysis may not be reproduced in part or total without the written permission of INTERTEK COMMODITIES. The results of the test indicated on this report are only valid for the indicated sample and should not be used as a certificate of conformity or as a certificate of the quality system of the manufacturer.





ALSIN ANGELO
 Laboratory Manager

ALSIN ANGELO M. / Laboratory Manager
INTERTEK COMMODITIES DIVISION